180 2876/#/

PATENT

#### IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of: Spencer A. Rathus et al.

Serial No.: 09/769,134

Group Art Unit: 2876

Filed: January 25, 2001

Examiner: Kim, Ahshik

For: METHOD AND APPARATUS FOR

Atty Doc. No. 6

660-015

ACCESSING ELECTRONIC DATA

VIA A FAMILIAR PRINTED MEDIUM

Honorable Commissioner for Patents P.O. Box 1430 Alexandria, VA 22313-1430

#### LETTER

SIR:

Please be advised of the following related co-pending applications:

Attorney Docket	Examiner	Serial Number
Number		
660-015	Kim, Ahshik	09/769,134
660-016	Le, Thien Minh	09/769,136
660-017	Le, Thien Minh	09/769,137
660-018	Le, Thien Minh	09/769,144
660-019	Le, Thien Minh	09/769,146
660-020	Le, Thien Minh	09/769,139
660-021	Le, Thien Minh	09/769,138
660-022	Kim, Ahshik	09/769,140
660-023	Le, Uyen-Chau N.	09/769,142
660-025	Le, Thien Minh	09/769,143
660-026	Le, Thien Minh	09/769,141
660-027	Kim, Ahshik	09/769,149
660-028	Kim, Ahshik	09/769,148
660-029	Le, Thien Minh	09/769,147
660-030	Le, Thien Minh	09/747,295
660-031	Kim, Ahshik	09/769,134

Please feel free to contact the undersigned attorney with any questions.

Date: June 17, 2004

Respectfully submitted,

John W. Olivo, Jr.

Reg. No. 35,634 WARD & OLIVO

382 Springfield Avenue

Suite 300

Summit, NJ 07901

(908) 277-3333

Approved for use through 07/31/2006. OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Application Number 09/769,134

TRANSMITTAL

Filing Date 1/25/2001

First Named Inventor Spencer A. Rathus et al.

Art Unit 2876

**Examiner Name** 

12

Attorney Docket Number

Kim, Ahshik

660-015

Total Number of Fuges in This Submission						
	ENCLOSURES (Check all that apply)					
	Fee Transmittal Form  Fee Attached  Amendment/Reply  After Final  Affidavits/declaration(s)  Extension of Time Request  Express Abandonment Request  Information Disclosure Statement  Certified Copy of Priority  Document(s)		Drawing(s)  Licensing-related Papers  Petition  Petition to Convert to a Provisional Application Power of Attorney, Revocation Change of Correspondence Address  Terminal Disclaimer  Request for Refund  CD, Number of CD(s)	Aft to Ap of Ap	Technolo peal Cor Appeals peal Cor opeal Noti oprietary atus Lette her Encle entify bele	osure(s) (please ow):
	Response to Missing Parts/ Incomplete Application  Response to Missing Parts under 37 CFR 1.52 or 1.53					
	SIGNA	TURE	OF APPLICANT, ATTORNEY, O	OR AGEN	Τ	
Firm or Individ Signat	ward & Olivo 38/2 Spring Summit, NJ 07901 / John M. W// round			H - TH		
Date	6/18/04				•	
CERTIFICATE OF TRANSMISSION/MAILING						
sufficie			simile transmitted to the USPTO or depo addressed to: Commissioner for Patents,			
Typed	or printed name Edward P. Bako	s, Esq.				
Signat	ure	/			Date	6/18/04

This collection of information is required by 37 CFR 1.5. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

PTO/SB/17 (10-03) Approved for use through 07/31/2006. OMB 0651-0032

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

### **FEE TRANSMITTAI** for FY 2004

Effective 10/01/2003. Patent fees are subject to annual revision.

Applicant claims small entity status. See 37 CFR 1.27

TOTAL AMOUNT OF PAYMENT

(\$)	1	80	.00
141	•	~	

Complete if Known				
Application Number	09/769,134			
Filing Date	01/25/2001			
First Named Inventor	Spencer A. Rathus			
Examiner Name	Kim, Ahshik			
Art Unit	2876			
Attorney Docket No.	660-015			

METHOD OF PAYMENT (check all that apply)	FEE CALCULATION (continued)				
Check Credit card Money Other None	3. ADDITIONAL FEES				
Deposit Account:	Large Entity   Small Entity				
Denosit	Fee Fee Fee Fee Description  Code (\$)  Fee Paid				
Account 23-0420	Code (\$) Code (\$) Fee Paid  1051 130 2051 65 Surcharge - late filing fee or oath				
Number Deposit WAADD 8 OLIVO	1052 50 2052 25 Surcharge - late provisional filing fee or				
Account Name	cover sheet				
The Director is authorized to: (check all that apply)	1053 130 1053 130 Non-English specification				
Charge fee(s) indicated below Credit any overpayments	1812 2,520 1812 2,520 For filing a request for ex parte reexamination				
Charge any additional fee(s) or any underpayment of fee(s)	1804 920* 1804 920* Requesting publication of SIR prior to  Examiner action				
Charge fee(s) indicated below, except for the filing fee	1805 1,840* 1805 1,840* Requesting publication of SIR after				
to the above-identified deposit account.	Examiner action				
FEE CALCULATION	1251 110 2251 55 Extension for reply within first month				
1. BASIC FILING FEE	1252 420 2252 210 Extension for reply within second month				
Large Entity Small Entity	1253 950 2253 475 Extension for reply within third month				
Fee Fee Fee Fee Description Fee Paid Code (\$)	1254 1,480 2254 740 Extension for reply within fourth month				
1001 770 2001 385 Utility filing fee	1255 2,010 2255 1,005 Extension for reply within fifth month				
1002 340 2002 170 Design filing fee	1401 330 2401 165 Notice of Appeal				
1003 530 2003 265 Plant filing fee	1402 330 2402 165 Filing a brief in support of an appeal				
1004 770 2004 385 Reissue filing fee	1403 290 2403 145 Request for oral hearing				
1005 160 2005 80 Provisional filing fee	1451 1,510 1451 1,510 Petition to institute a public use proceeding				
SUBTOTAL (1) (\$) 0	1452 110 2452 55 Petition to revive - unavoidable				
	1453 1,330 2453 665 Petition to revive - unintentional				
2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE	1501 1,330 2501 665 Utility issue fee (or reissue)				
Extra Claims below Fee Paid	1502 480 2502 240 Design issue fee				
Total Claims Z0** = X =	1503 640 2503 320 Plant issue fee				
Claims - 3** = X =	1460 130 1460 130 Petitions to the Commissioner				
Multiple Dependent	1807 50 1807 50 Processing fee under 37 CFR 1.17(q)				
Large Entity   Small Entity	1806 180 1806 180 Submission of Information Disclosure Stmt 180.00				
Fee Fee Fee Fee Fee Description Code (\$)	8021 40 8021 40 Recording each patent assignment per property (times number of properties)				
1202 18 2202 9 Claims in excess of 20	1809 770 2809 385 Filing a submission after final rejection				
1201 86 2201 43 Independent claims in excess of 3	(37 ČFR 1.129(a))				
1203 290 2203 145 Multiple dependent claim, if not paid	1810 770 2810 385 For each additional invention to be examined (37 CFR 1.129(b))				
1204 86 2204 43 ** Reissue independent claims over original patent	1801 770 2801 385 Request for Continued Examination (RCE)				
1205 18 2205 9 ** Reissue claims in excess of 20 and over original patent	1802 900 1802 900 Request for expedited examination of a design application  Other fee (specify)				
SUBTOTAL (2) (\$) 0	Other fee (specify)				
**or number previously paid, if greater; For Reissues, see above	*Reduced by Basic Filing Fee Paid SUBTOTAL (3) (\$) 180.00 😦				
SUBMITTED BY	(Complete (if applicable))				
Name (Print/Type) John W. Olivo, Jr	Registration No. 35,634 Telephone 908,277.3333				
	(Attorney/Agent)				
Signature /// /	Date /1 /17 /200 🕏				

WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

This collection of information is required by 37 CFR 1.17 and 1.27. The information is required to obtain or retain a benefit by the public which is to file 🚳 🌿 he USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to process, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any compension the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Extent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THE SENDERSS. SEND-TO: Commissioner for Patents, P.O. Box-1450, Alexandria, VA 22313-1450.

PTO/SB/08A (08-03) Approved for use through 07/31/2006. OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

U.S. Patent and Trademark Office, U.S. DEPARTMENT OF COMMERCE
Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

RAD Substitute for form 1449/PTO

Sheet 1

# INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

of

Complete if Known				
Application Number	09/769,134			
Filing Date	1/25/2001			
First Named Inventor	Spencer A. Rathus			
Art Unit	2876			
Examiner Name	Kim, Ahshik			
Attorney Docket Number	660-015			

			U. S. PATENT	DOCUMENTS	
Examiner Initials*	Cite No.1	Document Number  Number-Kind Code <sup>2 (f known)</sup>	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	1	<sup>US-</sup> 3,705,384	12-05-1972	Wahlberg	
-	2	<sup>US-</sup> 3,735,350	05-22-1973	Lemelson	
	3	<sup>US-</sup> 3,976,995	08-24-1976	Sebestyen	
	4	<sup>US-</sup> 3,989,929	11-02-1976	Treiber	
	5	<sup>US-</sup> 4,117,542	09-26-1978	Klausner et al.	
•	6	<sup>US-</sup> 4,283,621	08-11-1981	Pembroke	
	7	<sup>US-</sup> 4,418,278	11-29-1983	Mondshein	
	8	<sup>US-</sup> 4,492,164	01-08-1985	Cassanas et al.	
	9	<sup>US-</sup> 4,601,573	07-22-1986	Utsugi	
	10	<sup>US-</sup> 4,609,358	09-02-1986	Sangster	
	11	<sup>US-</sup> 4,659,213	04-21-1987	Matsumoto	
	12	<sup>US-</sup> 4,711,994	12-08-1987	Greenberg	
	13	<sup>US-</sup> 4,723,212	02-02-1988	Mindrum et al.	
	14	<sup>US-</sup> 4,793,813	12-27-1998	Bitzer et al.	
	15	<sup>US-</sup> 4,812,879	03-14-1989	Suzuki	
	16	<sup>US-</sup> 4,813,350	03-21-1989	Drillick	
	17	<sup>US-</sup> 4,820,167	04-11-1989	Nobles et al.	
	18	<sup>US-</sup> 4,825,058	04-25-1989	Poland	
	19	<sup>US-</sup> 4,839,507	06-13-1989	May	

 	FORE	<b>IGN PATENT DOCU</b>	JMENTS		
Cite No.1		Publication Date	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages	
	Country Code <sup>3</sup> Number <sup>4</sup> Kind Code <sup>5</sup> (if known)	MM-DD-YYYY		Or Relevant Figures Appear	T <sup>6</sup>
20	GB 2 109 600 A	06-02-1983	Brooke		
21	JP 60-46,684	03-13-1985	Masaaki et al.		
22	JP 62-98,334	05-07-1987	Yoshitomo, Abe		
23	JP 362264752 A	11-17-1987	Suda, Koji		
24	JP 363203045 A	08-22-1988	Asano, Eisuke		
 25	JP 363296560 A	12-02-1988	Mori, Naoki		

Examiner	 Date	
Signature	Considered	
	i i	

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. Applicant's unique citation designation number (optional). See Kinds Codes of USPTO Patent Documents at <a href="https://www.uspto.gov">www.uspto.gov</a> or MPEP 901.04. Setup 10.04. The Emperor must precede the document, by the two-letter code (WIPO Standard ST.3). For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. Skind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Approved for use through 07/31/2006. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE r the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO

#### Complete if Known Application Number 09/769,134 Filing Date 1/25/2001 First Named Inventor Spencer A. Rathus Art Unit 2876 **Examiner Name** Kim, Ahshik

### INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

660-015 Attorney Docket Number Sheet

			U. S. PATENT	DOCUMENTS	
Examiner Initials*	Cite No. <sup>1</sup>	Document Number  Number-Kind Code <sup>2 (f known)</sup>	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
<del></del> -	26	<sup>US-</sup> 4,868,375	09-19-1989	Blanford	
	27	<sup>US-</sup> 4,897,865	01-30-1990	Canuel	
	28	<sup>US-</sup> 4,910,672	03-20-1990	Off et al.	
	29	<sup>US-</sup> 4,984,155	01-08-1991	Geier et al.	
	30	<sup>US-</sup> 4,992,824	02-12-1991	Plummer	
	31	<sup>US-</sup> 5,002,491	03-26-1991	Abrahamson et al.	
	32	<sup>US-</sup> 5,003,577	03-26-1991	Ertz et al.	
	33	<sup>US-</sup> 5,021,984	06-04-1991	Meade et al.	
	34	<sup>US-</sup> 5,027,196	06-25-1991	Ono et al.	
	35	<sup>US-</sup> 5,031,098	07-09-1991	Miller et al.	
	36	<sup>US-</sup> 5,080,399	01-14-1992	Olson	
	37	<sup>US-</sup> 5,083,271	01-21-1992	Thacher et al.	
	38	<sup>US-</sup> 5,108,052	04-28-1992	Malewicki et al.	
	39	<sup>US-</sup> 5,111,196	05-05-1992	Hunt	
	40	<sup>US-</sup> 5,119,188	06-02-1992	McCalley et al.	
·	41	<sup>US-</sup> 5,126,547	06-30-1992	Norman, Jr.	
	42	<sup>US-</sup> 5,142,662	08-25-1992	Gump et al.	
	43	<sup>US-</sup> 5,148,297	09-15-1992	Ishii et al.	
	44	<sup>US-</sup> 5,151,687	09-29-1992	Younger	

		FORE	IGN PATENT DOCU	JMENTS		
Examiner Cite Initials* No.1		Foreign Patent Document	Publication Date	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages	
		Country Code <sup>3</sup> "Number <sup>4</sup> "Kind Code <sup>5</sup> ( <i>if known</i> )	MM-DD-YYYY		Or Relevant Figures Appear	T <sup>6</sup>
	45	EP 357899 A	03-14-1990	Schulz		
	46	JP 02103025 A	04-16-1990	Hirata		
	47	JP 02127792 A	05-16-1990	Oki, Shinji		
	48	JP 402279393 A	11-15-1990	Yuasa, Mitsutok		
	49	GB 2 232 119 A	12-05-1990	Webster et al.		
	50	JP 403060558 A	03-15-1991	Inaba, Satoshi		

Examiner	Date
Signature	Considered

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>1</sup>Applicant's unique citation designation number (optional). <sup>2</sup> See Kinds Codes of USPTO Patent Documents at <a href="https://www.uspto.gov">www.uspto.gov</a> or MPEP 901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup>Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. <sup>6</sup>Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND** TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Approved for use through 07/31/2006. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO

Sheet

### INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

of 8

**Application Number** 09/769.134 Filing Date 1/25/2001 First Named Inventor Spencer A. Rathus Art Unit 2876 Kim, Ahshik **Examiner Name** Attorney Docket Number 660-015

Complete if Known

			U. S. PATENT	DOCUMENTS	
Examiner Initials*	Cite No.1	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	ļ	Number-Kind Code <sup>2 (if known)</sup>			Figures Appear
	51	<sup>US-</sup> 5,168,303	12-01-1992	Ikenoue et al.	
	52	<sup>US-</sup> 5,173,851	12-22-1992	Off et al.	
	53	<sup>US-</sup> 5,181,062	01-19-1993	Kazumi, Jiro	
	54	<sup>US-</sup> 5,185,857	02-09-1993	Rozmanith et al.	
	55	<sup>US-</sup> 5,204,813	04-20-1993	Samph et al.	
	56	<sup>US-</sup> 5,211,287	05-18-1993	Weisburn et al.	
	57	<sup>US-</sup> 5,222,624	06-29-1993	Burr	
	58	<sup>US-</sup> 5,235,509	08-10-1993	Mueller et al.	
	59	<sup>US-</sup> 5,237,156	08-17-1993	Konishi et al.	
	60	<sup>US-</sup> 5,243,174	09-07-1993	Veeneman et al.	
	61	<sup>US-</sup> 5,262,860	11-16-1993	Fitzpatrick et al.	
	62	<sup>US-</sup> 5,287,181	02-15-1994	Holman	
	63	<sup>US-</sup> 5,288,977	02-22-1994	Amendolia et al.	
	64	<sup>US-</sup> 5,295,064	03-15-1994	Malec et al.	
	65	US- 5,295,836	03-22-1994	Ryu et al.	
	66	<sup>US-</sup> 5,302,990	04-12-1994	Satoh et al.	
	67	<sup>US-</sup> 5,310,349	05-10-1994	Daniels et al.	
	68	<sup>US-</sup> 5,319,542	06-07-1994	King et al.	
	69	<sup>US-</sup> 5,353,219	10-04-1994	Mueller et al.	

		FORE	IGN PATENT DOCU	JMENTS		
	Cite No.1	Cite Foreign Patent Document	Publication Date	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	
	l	Country Code <sup>3</sup> Number <sup>4</sup> Kind Code <sup>5</sup> (if known)	MM-DD-YYYY			T <sup>6</sup>
	70	JP 03151263 A	06-27-1991	Osawa		
	71	JP 03174693 A	07-29-1991	Ashida et al.		
	72	JP 04-023,183	01-27-1992	Masahide		
	73	JP 404269048 A	09-25-1992	Wantanabe		
	74	JP 06110913 A	04-22-1994	Watanabe	***	
	75	JP 406188962 A	07-08-1994	Nakamura, Teruo		

Examiner			Date		
Signature			Considered		
Signature			Considered		

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered, include copy of this form with next communication to applicant. Applicant's unique citation designation number (optional). See Kinds Codes of USPTO Patent Documents at <a href="www.uspto.qov">www.uspto.qov</a> or MPEP 901.04. Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. Applicant is to place a check mark here if English language Translation is attached.

Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND

TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Approved for use through 07/31/2006. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE Ungernio...

FRADE Moubstitute for form 1449/PTO he Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Sheet

### INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

of

Complete if Known				
Application Number	09/769,134			
Filing Date	1/25/2001			
First Named Inventor	Spencer A. Rathus			
Art Unit	2876			
Examiner Name	Kim, Ahshik			
Attorney Docket Number	660-015			

			U. S. PATENT	DOCUMENTS	
Examiner Initials*	Cite No. <sup>1</sup>	Document Number  Number-Kind Code <sup>2 (f known)</sup>	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	76	<sup>US-</sup> 5,368,129	11-29-1994	Von Kohorn	
	77	<sup>US-</sup> 5,369,571	11-29-1994	Metts	
	78	<sup>US-</sup> 5,385,371	01-31-1995	Izawa	
	79	<sup>US-</sup> 5,385,475	01-31-1995	Sudman et al.	
	80	<sup>US-</sup> 5,397,410	03-14-1995	Handly	
	81	<sup>US-</sup> 5,401,944	03-28-1995	Bravman	
	82	<sup>US-</sup> 5,410,642	04-25-1995	Hakamatsuka et al.	
	83	<sup>US-</sup> 5,412,191	05-02-1995	Baitz et al.	
	84	<sup>US-</sup> 5,424,524	06-13-1995	Ruppert et al.	
•	85	<sup>US-</sup> 5,451,998	09-19-1995	Hamrick	
	86	<sup>US-</sup> 5,452,379	09-19-1995	Poor	
	87	<sup>US-</sup> 5,459,304	10-17-1995	Eisenmann	
	88	<sup>US-</sup> 5,465,291	11-07-1995	Barrus et al.	
	89	<sup>US-</sup> 5,469,371	11-21-1995	Bass	
	90	<sup>US-</sup> 5,477,042	12-19-1995	Wang	
	91	<sup>US-</sup> 5,478,990	12-26-1995	Montanari et al.	
	92	<sup>US-</sup> 5,493,355	02-20-1996	Kazami	
	93	<sup>US-</sup> 5,500,681	03-19-1996	Jones	
	94	<sup>US-</sup> 5,505,494	04-09-1996	Belluci et al.	

FOREIGN PATENT DOCUMENTS							
Examiner Initials*	Cite No.1	Cite Foreign Patent Document	Publication Date	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages		
		Country Code <sup>3</sup> Number <sup>4</sup> Kind Code <sup>5</sup> (if known)	MM-DD-YYYY		Or Relevant Figures Appear	T⁵	
	95	JP 6-233,159	08-19-1994	Tsutomu, Ozaka			
	96	JP 07056941 A	03-03-1995	Tanaka et al.			
	97	JP 7-64,169	03-10-1995	Masaru, Mase		L	
•	98	GB 2 300 498 A	11-06-1996	McCauley			
	99	WO 98/03923	01-29-1998	Kraftsow et al			
	100	WO 98/06055	02-12-1998	Rapaport et al.			

Examiner	Date	
Signature	Considere	ı İ

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>1</sup>Applicant's unique citation designation number (optional). <sup>2</sup>See Kinds Codes of USPTO Patent Documents at <a href="https://www.uspto.gov">www.uspto.gov</a> or MPEP 901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup>Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. <sup>6</sup>Applicant is to place a check mark here if English language

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Approved for use through 07/31/2006. OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE to Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO

Sheet

### INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

 Complete if Known

 Application Number
 09/769,134

 Filing Date
 1/25/2001

 First Named Inventor
 Spencer A. Rathus

 Art Unit
 2876

 Examiner Name
 Kim, Ahshik

 Attorney Docket Number
 660-015

	*		U. S. PATENT	DOCUMENTS	
Examiner Initials*	Cite No. <sup>1</sup>	Document Number  Number-Kind Code <sup>2 (f known)</sup>	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	101	<sup>US-</sup> 5,541,394	07-30-1996	Kouchi et al.	
	102		08-27-1996	Danby et al.	
	103		09-10-1996	Tackbary et al.	
	104		09-24-1996	Banks et al.	
	105		10-22-1996	Hochstein et al.	
	106	-,-,-,	10-29-1996	Dudle et al.	
	107	<sup>US-</sup> 5,578,797	11-26-1996	Hewitt et al.	
	108		12-31-1996	Beasley	
	109	<sup>US-</sup> 5,612,868	03-18-1997	Off et al.	
	110	<sup>US-</sup> 5,615,123	03-25-1997	Davidson et al.	
	111	<sup>US-</sup> 5,640,002	06-17-1997	Ruppert et al.	
	112		07-01-1997	Li et al.	
	113	<sup>US-</sup> 5,751,590	05-12-1998	Cannon et al.	
	114	<sup>US-</sup> 5,774,664	06-30-1998	Hidary et al.	
	115		06-30-1998	Veeneman et al.	
	116		07-07-1998	Hidary et al.	
	117	<sup>US-</sup> 5,797,330	08-25-1998	Li	
	118	l	09-01-1998	Kara	
	119	<sup>US-</sup> 5,821,728	10-13-1998	Schwind	

		FORE	IGN PATENT DOCU	IMENTS		
Examiner Initials*	Cite No.1	Foreign Patent Document	Publication Date	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages	
		MM-DD-YYYY Country Code <sup>3</sup> Number <sup>4</sup> Kind Code <sup>5</sup> ( <i>if known</i> )			Or Relevant Figures Appear	T <sup>6</sup>
	120	JP 11-355,699	06-05-1998	Yukihiro, Sai		
	121	JP 10269326 A	10-09-1998	Nakamura et al.		
	122	JP 02000293455 A	04-09-1999	Yoshiro		
	123	JP 2000267966 A	09-29-2000	Masanori et al.		
	124	JP 2001/142971	05-25-2001	Atsushi		
	125	JP 02001265800 A	09-28-2001	Masamichi et al		

Examiner	Date	
	1 24.0	
Signature	I Considered	
Oigilataro	Considered	
	Į.	

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kinds Codes of USPTO Patent Documents at <a href="https://www.uspto.gov">www.uspto.gov</a> or MPEP 901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup>Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. <sup>6</sup>Applicant is to place a check mark here if English language Translation is attached.

Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

PTO/SB/08A (08-03) Approved for use through 07/31/2006. OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE se Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

PADEMA Substitute for form 1449/PTO

Sheet

# INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Col	Complete if Known				
Application Number	09/769,134				
Filing Date	1/25/2001				
First Named Inventor	Spencer A. Rathus				
Art Unit	2876				
Examiner Name	Kim, Ahshik				
Attorney Docket Number	660-015				

			U. S. PATENT	DOCUMENTS	
Examiner Initials*	Cite No. <sup>1</sup>	Document Number  Number-Kind Code <sup>2 (f known)</sup>	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	126		01-05-1999	Anderson	
	127		02-02-1999	Bravman et al.	
	126	<sup>US-</sup> 5,870,030	09-11-7627	Deluca et al.	
	129	L , , ,	02-09-1999	Kirsch	
	130		05-18-1999	Russell et al.	
	131		06-15-1999	Call	
	132	<sup>US-</sup> 5,918,214	06-29-1999	Perkowski	
	133	<sup>US-</sup> 5,932,863	08-03-1999	Rathus et al.	
	131		08-17-1999	Reber et al.	
	135	<sup>US-</sup> 5,948,040	09-07-1999	DeLorme et al.	
	136		10-05-1999	Kirsch	
	137		11-02-1999	Jones et al.	_
	138	<sup>US-</sup> 5,978,648	11-02-1999	George et al.	
•	139		11-23-1999	Anderson	
	140	<sup>US-</sup> 5,992,752	11-30-1999	Wilz, Sr. et al.	
	141	<sup>US-</sup> 5,995,105	11-30-1999	Reber et al.	
	142		12-14-1999	Li et al.	
	143		12-21-1999	Bard et al.	
	144	<sup>US-</sup> 6,064,832	05-16-2000	Sato et al.	

	FOREIGN PATENT DOCUMENTS								
Examiner Initials*	Cite No.1	Foreign Patent Document	Publication Date	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages				
		Country Code <sup>3</sup> -Number <sup>4</sup> -Kind Code <sup>5</sup> ( <i>if known</i> )	e <sup>5</sup> (if known)		Or Relevant Figures Appear	T <sup>6</sup>			
						<u> </u>			
						<u></u>			
						▙			

Examiner		Date	
Signature		Considered	
	1		

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kinds Codes of USPTO Patent Documents at <a href="https://www.uspto.gov">www.uspto.gov</a> or MPEP 901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

PTO/SB/08A (08-03)
Approved for use through 07/31/2006. OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Juder the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO

### INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Complete if Known						
Application Number	09/769,134					
Filing Date	1/25/2001					
First Named Inventor	Spencer A. Rathus					
Art Unit	2876					
Examiner Name	Kim, Ahshik					
Attorney Docket Number	660-015					

			U. S. PATENT	DOCUMENTS	
Examiner Initials*	Cite No. <sup>1</sup>	Document Number  Number-Kind Code <sup>2 (d known)</sup>	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	145		06-06-2000	Yokonuma et al.	
"	146	<sup>US-</sup> 6,076,733	06-20-2000	Wilz, Sr. et al.	
	147		07-04-2000	Choi	
	146		07-11-2000	Sehr	
	149	<sup>US-</sup> 6,095,418	08-01-2000	Swartz et al.	
	150		11-14-2000	Parry	
	151	<sup>US-</sup> 6,149,441	11-21-2000	Pellegrino et al.	
	152	<sup>US-</sup> 6,152,369	11-28-2000	Wilz, Sr. et al.	
	153	<sup>US-</sup> 6,154,738	11-28-2000	Call	
	154	<sup>US-</sup> 6,157,314	12-05-2000	Loftus	
	155		12-26-2000	Rathus et al.	
	156	<sup>US-</sup> 6,199,048	03-06-2001	Hudetz et al.	
	157		05-01-2001	Schwab	
	158	<sup>US-</sup> 6,246,337	06-12-2001	Rosenberg et al.	
	159	<sup>US-</sup> 6,269,336	07-31-2001	Ladd et al.	
	160	<sup>US-</sup> 6,269,342	07-31-2001	Brick et al.	
	161	<sup>US-</sup> 6,270,351	08-07-2001	Roper	
	162	<sup>US-</sup> 6,286,036	09-04-2001	Rhoads	
	163	<sup>US-</sup> 6,311,214	10-30-2001	Rhoads	

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. <sup>1</sup>	Cite Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	
		Country Code <sup>3 -</sup> Number <sup>4 -</sup> Kind Code <sup>5</sup> (if known)				Т
	ļ .					L
						L
						L

Examiner	Date	
Signature	Considered	
J		

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. \(^1\) Applicant's unique citation designation number (optional). \(^2\) See Kinds Codes of USPTO Patent Documents at \(\frac{\text{www.uspto.qov}}{\text{uspto.qov}}\) or MPEP 901.04. \(^3\) Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). \(^4\) For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. \(^5\)Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. \(^6\)Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

PTO/SB/08A (08-03)

Approved for use through 07/31/2006. OMB 0651-0031 U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE r the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO

JUN 2 3 2004

TROEMA

# INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Complete if Known					
Application Number	09/769,134				
Filing Date	1/25/2001				
First Named Inventor	Spencer A. Rathus				
Art Unit	2876				
Examiner Name	Kim, Ahshik				
Attorney Docket Number	660-015				

			U. S. PATEN	DOCUMENTS	
Examiner Initials*	Cite No.1	Document Number  Number-Kind Code <sup>2 (f known)</sup>	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	164		11-06-2001	Deluca et al.	
	165		11-06-2001	Schena et al.	
	166		11-27-2001	Knowles	
	167		11-27-2001	Knowles et al.	
	168	[ <b></b>	12-11-2001	Swartz et al.	
	169	<sup>US-</sup> 6,331,864	12-18-2001	Coco et al.	
	170	<sup>US-</sup> 6,338,434	01-15-2002	Wilz et al.	
	171	<sup>US-</sup> 6,353,772	03-05-2002	Silverbrook	
	172	<sup>US-</sup> 6,373,551	04-16-2002	Manico et al.	
	173	<sup>US-</sup> 6,375,078	04-23-2002	Russell et al.	
	174		04-30-2002	Walker et al.	
	175	<sup>US-</sup> 6,384,744	05-07-2002	Philyyaw et al.	
	176	<sup>US-</sup> 6,385,583	05-07-2002	Ladd et al.	
	177	<sup>US-</sup> 6,386,453	05-14-2002	Russell et al.	
	178	<sup>US-</sup> 2001/011276 A1	08-02-2001	Durst Jr. et al.	
	179	US- 2002/0084899	07-04-2002	Faria et al.	
		US-			
		US-			
		US-			

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No.1	ite Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	Γ
		Country Code <sup>3</sup> -Number <sup>4</sup> -Kind Code <sup>5</sup> (if known)				Т
	ļ					L
						┡
	ļ					┾
						₽

Examiner	Dat	ate	
Signature	Col	onsidered	

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>1</sup>Applicant's unique citation designation number (optional). <sup>2</sup>See Kinds Codes of USPTO Patent Documents at <a href="https://www.uspto.gov">www.uspto.gov</a> or MPEP 901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup>Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. <sup>6</sup>Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.